TO:

**BOARD OF DIRECTORS** 

FROM:

**DON SPAGNOLO** 

GENERAL MANAGER

DATE:

AUGUST 19, 2010

AGENDA ITEM C-1

**AUGUST 25, 2010** 

## WATERLINE INTERTIE PROJECT UPDATE

#### **ITEM**

Mike Nunley of AECOM Engineering re Waterline Intertie project status [NO ACTION REQUESTED].

#### **BACKGROUND**

Mike Nunley is scheduled to summarize the attached report.

#### **RECOMMENDATION**

Staff recommends that your Honorable Board receive the presentation and ask questions as appropriate.

### **ATTACHMENTS**

August 2010 WIP Design Phase Status Report



AECOM 1194 Pacific Street Suite 204 San Luis Obispo, CA 93402 www.aecom.com 805 542 9840 tel 805 542 9990 fax

# Memorandum

То	Don Spagnolo, General Manager – NCSD Page 1
cc	Peter Sevcik, Jon Hanlon, Josh Reynolds, Jim Froelicher, Eileen Shields, Kirk Gonzalez
Subject	Waterline Intertie Project – Design Phase Status Report
From	Michael K. Nunley, AECOM
Date	August 18, 2010

The Project Team has completed the following work items this month:

- AECOM submitted the public lot application for the reservoir / pump station site to the County.
- 2. AECOM provided the District with the final submittal for Bid Package #3 (Blosser Road Water Main and Flow Meter) plans and technical specifications.
- 3. The project team compiled comments on the Streambed Alteration Agreement drafted by California Department of Fish and Game (CDFG), sent a response, and requested a follow-up meeting to discuss conditions of the permit.
- 4. AECOM is continuing work to update the construction cost opinion to reflect the 90% designs for Bid Packages #2, #3, and #4.
- 5. AECOM has updated the table of project permits (attached).

#### Schedule

The Project Schedule is attached and has been updated to reflect the current project status.

#### **Budget Status**

As shown on the attached Design Budget and Invoice Summary, our fee earned is slightly ahead of the work completed under Task 3.

Yours Sincerely,

Mill K. July Michael K. Nunley, PE

Enclosures: Permits & Status; Design Budget & Invoice Summary; Project Budget Summary; Project Schedule

updated:

Nipomo Community Services District Waterline Intertie Project Permit Status

				Expiration	
Permitting Agency	Permit	Status	Issue Date Date	Date	Notes
CalTrans	Encroachment	Received	7/1/2010		12/30/2011 BP2 Hwy 101 Xing
CalTrans	Encroachment	Contractor to apply			"Dual Permit"
SLO County	Encroachment				BP2 - NCSD to submit for draft conditions
SLO County	Encroachment	Contractor to apply			
City of Santa Maria	Encroachment	Contractor to apply			BP3
					AECOM & NCSD staff drafting comments for
CA Fish & Game	Streambed Alteration Agreement	Received draft permit			F&G
ACOE	404 & other permits	Received exemption	3/25/2010		
			3/22/2010;		
DOSH (OSHA)	Tunnel Classification	Received	3/30/2010	NA	2 jack & bore locations in BP3
DOSH (OSHA)	Excavations > 5 ft	Contractor to apply			
	Certification of safety Reps for				
DOSH (OSHA)	tunneling	Contractor to apply			
	Authority to Construct / Permit to				
SLO APCD	Operate	NCSD to apply			apply at start of bid phase
SLO APCD	Naturally Occuring Asbestos	Received exemption	11/2/2009		
RWQCB	Notice of Intent to Discharge	NCSD to file			NPDES/ Stormwater General Permit
RWQCB	SWPPP	Contractor to complete			
SHAQ	Water Supply Permit Amendment	NCSD to file (min 4 mo. Prior to WIP startup)			AECOM working with DPHS for preliminary comments on 90% design

Item	Description	Budgeted Amount	Updated Amount 17-Mar-09	Updated Amount	Updated Amount Dec-09		
		May 2008 PER	17-mar-09	22-Apr-09 Concept Design Report	60% Design Plans		
1	Mobilization	\$580,000	\$580,000	\$607.000	\$706,800		
2	Blosser Extension (18-in)	\$1,247,000	\$1,247,000	\$1,129,000	\$1,148,800		
3	Pump Station No. 1 turnout & meter (Blosser Rd)	\$61,000	\$61,000	\$1,129,000	\$166,400		
4	River Crossing (24-in HDD & levee jack & bore)	\$6,135,000	\$6,135,000	\$5,462,500	\$5.414.200		
5	24-in Pipeline to Joshua	\$656,000					
6	Reservoir (0,5-MG)	\$1,361,000	\$656,000 \$1,361,000	\$400,000	\$399,500		
7	Pump Station No. 2			\$1,365,000	\$1,364,700		
		\$603,000	\$603,000	\$1,572,500	\$1,512,300		
8	Pressure Regulators (200 homes)	\$30,000	070.000	AD 10 000			
9	Pressure Reducing Valve Stations	\$18,000	\$72,000	\$243,000	\$290,100		
10	Chloramination (Joshua & 5 wellheads)	\$707,000	\$707,000	\$739,500	\$739,200		
11	Upgrade Southland to 12-in	\$799,500 (1)	\$780,000 (7)	\$849,000	\$828,900		
12	Upgrade Frontage to 12-in	\$1,101,300 (1)	\$880,000 (7)	\$957,000	\$958,600		
13	Upgrade Orchard to 12-in	\$509,000	\$1,040,000 (8)	\$1,103,500	\$1,200,800		
14	Upgrade Division to 10-in between Allegre and Meridian (6	\$53,000					
15	Oakglen Avenue 12-in main (5)		\$420,000	\$457,000	\$472,600		
16	Darby Lane 12-in main (5)	12	\$100,000	\$153,000	\$114,100		
17	HWY 101 Bore & Jack (5)		\$132,000	\$241,000	\$228,700		
18	Isolation Valves (5)	44	\$12,000	\$12,000	\$12,000		
19 Pump Station All Weather Access Road			-	\$128,000	\$127,500		
20	Pipe Cleaning Launch Station Stub Out (Blosser Rd)		7 <del>88</del>	X <del>98</del>	\$20,400 (13)		
	Construction Subtotal	\$13,860,800	\$14,786,000	\$15,577,000	\$15,705,600		
21	Contingency	\$3,643,000	\$3,696,500 (9)	\$3,115,400 (11)	\$3,141,120		
	Construction Subtotal + Contingency	\$17,503,800	\$18,482,500	\$18,692,400	\$18,846,720		
22	Property Allowance	not included (4)	not included (4)	\$500.000 (4)	\$278,964 (4) (14)		
23	Design-Phase Engineering						
	Original Agreement (July 2008)	i	\$744,993	\$744,993	\$744,993		
	Budget Revision 1 - Pressure Reduction		\$132,798	\$132,798	\$132,798		
	Budget Revision 2 - Biological Survey for HDD		\$4,050	\$4,050	\$4,050		
	Budget Revision 3 - Modeling for GSW/Woodlands Turnou		\$8,380	\$8,380	\$8,380		
	Budget Revision 4 - Additional Survey Services		\$9.900	\$9,900	\$9,900		
	Budget Revision 5 - Utility Investigation (Potholing)		Ψ0,500	45,500	\$8,883		
	Budget Revision 6 - Additional Property Research				\$805		
	Budget Revision 7 - PG&E Savings by Design support		720		\$4,164		
	Budget Revision 8 - 60% Design Budget Update				\$140,872		
24	Office Engineering during construction		\$175.837	\$175.837	\$175,837		
25	Estimated Construction Management (3)	\$2,428,000 (2)	\$1,507,170 (10)	\$1,507,170 (10)	\$1,507,170 (10)		
26	Permitting Fees To Date	ΨZ,4Z0,000 (Z)	\$1,507,170 (10)	\$1,507,170 (10)	\$6,173		
27	Non-Final Design Funds Spent To Date	not included	not included	\$1,402,879 (12)	\$1,705,009 (12)(16)		
28	Estimated Other Costs (Assessment, etc)	not included					
29			not included	\$415,420 (12)	\$300,000 (12)(16)		
29	Public Outreach	not included	not included	not included	\$76,000 (15)(17)		
	WATERLINE PROJECT TOTAL (Rounded to 1000)	\$19,932,000 (4)	\$21,068,000	\$23,596,000	\$23,951,000		

#### Notes:

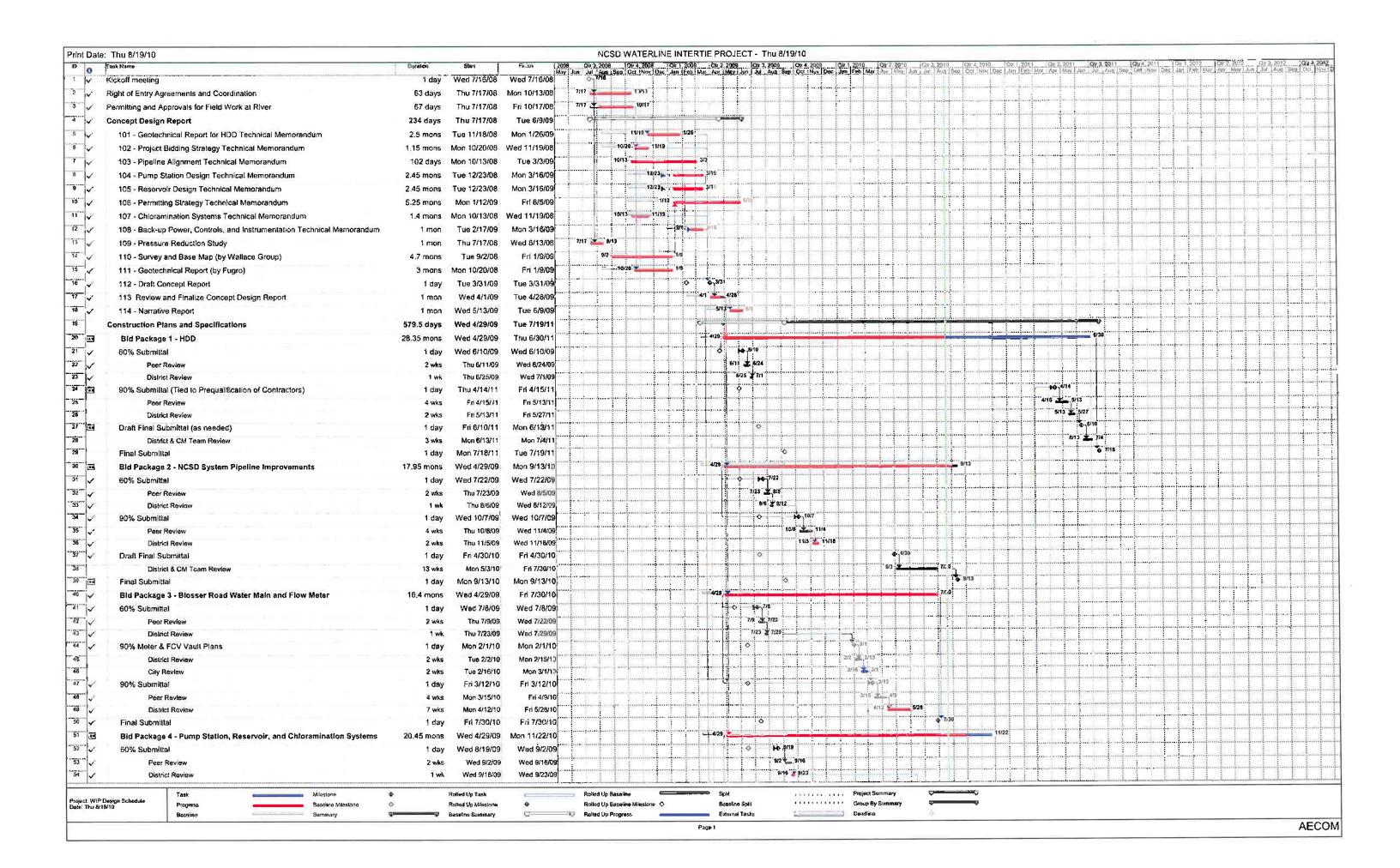
ENR CCI: March 2008 = 8109

- (1) Costs are from the December 2007 Water and Sewer Master Plan (Cannon).
- (2) Engineering and Construction Management were originally presented as a "lump sum" amount
- (3) Includes material testing, construction staking, and environmental monitoring
- (4) Estimate only. Property allowance not included prior to April 2009 estimate.
- (5) These work items were added to relieve high pressures on Mesa as an alternative to service pressure regulating valves (See Tech Memo 9). One PRV station at Maria Vista was required initially. Four are recommended for revised project. This was design Budget Revision #1.
- (6) Based on review of record drawings, this pipeline is already a 10-in main
- (7) Initial estimate incorporated Master Plan project costs. Revised estimate includes higher unit costs to reflect paving 1 traffic lane, per County standards
- (8) Updated unit costs include higher costs to reflect paving 1 traffic lane, per County standards
- (9) Contingency was modified to 25% which is more appropriate for concept design phase.
- (10) To be provided by CM team Has not been revised to reflect additional work for construction management of Oakglen, Darby, and Orchard extensions.
- (11) Contingency was modified to 20% which is more appropriate for 30% design phase.
- (12) Estimate provided by District staff.
- (13) Item added during 60% design for potential future pipe cleaning launch station. Cost for potential future receiving station was added to item #7 (pump static
- (14) Reduced at 12/9/2009 Board Meeting.
- (15) Added to January 2010 cost opinion per District
- (16) Estimate updated by District staff 4/21/10.
- (17) Updated based on Board action on 3/24/10.

not inlouded = Item was not included in previous construction cost opinions, but was added to provide a complete assessment of anticipated project costs.

Engineering Services for NCSD - SWP Design	Nipomo CSD				
	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget % of Work Earned to date Complete	% of Work Complete
Task Group 1 - Concept Design Report	\$441,553.65	\$441,553.65	\$0.00	100%	100%
Task Group 2 - Permitting	\$38,545.92	\$31,679.73	\$0.00	82%	82%
Task Group 3 - Construction Documents	\$442,933.43	\$444,666.11	\$0.00	100%	92%
Task Group 4 - Project Management	\$82,869.68	\$62,112.63	\$0.00	75%	75%
Task Group 5 - Assistance During Bids	\$48,942.36	\$0.00	\$0.00	%0	%0
Task Group 6 - Office Engineering During Construction (4 Bid Packages)	\$175,836.96	\$2,431.46	\$0.00	1%	1%
Total	\$1,230,682.00	\$982,443.58	\$0.00	80%	77%
		•			

	Amount Previously Invoiced	Invoice	Current Total Permitting Amount Fees to date
ermitting Fees	\$6,573.01	\$0.00	\$6,573.01



	le: Thu 8/19/10	Custon	Start	Finish I 2004	NCSD WATERLINE INTE			Or 1, 2010 10k 2 50	10 TOIr 3 2010	Qtr 4, 26.10	Qir 5, 2011	Gir 2, 2011   Qir 3	2011 Ole 4, 2011	991,3012	2g 3, 2012   GF	2012 iQir 4
65 G	Task Name	Duration 1 days	Start Fri G/18/10	Finish 2006 May Fri 6/18/10	8 Ot 3 2008 Ot 4 2008 Or 1 250 Lius Jul Aug Sep Oct Nov Dec Jen Feb	Mar & Mey Jun Juj	Aug Sep Oct Nov Dec	Jan Feb Mar Apr Mo	Jun Jul Aug	Sep Oct Nov Dec	Jan Fou Mar	Apr May Jun. Jul.	Aug Sep Oct Nov	Dec Jan Feb Mar	Apr May Jun Jul	Aug Sep LOci
56	90% Submittel	1 day	Man 6/21/10	Fri 7/16/10				8	6/217/16							
7	Peer Review District Review	4 wks 4 wks	Mon 7/19/10	Fri 8/13/10					7/19 8/3	3						
8 2	Draft Final Submittal (as needed)			on 10/18/10						6 10/19	ļļ					
g	District & CM Team Review	ŕ		Mon 11/8/10						10/18 <b>Z.</b> 11/8	†					
50 Eq.	Final Submittal			on 11/22/10						<b>%</b> 14/2	12					
37	Permitting	425 days		Thu 8/26/10					4			ian managama				
32	End of EfR Public Review Period	1 day	Frí 1/9/09	Fri 1/9/09	Q 1/9						i-i-h-					i i i i i i i i i i i i i i i i i i i
63	Preparation of Administrative Final EIR/Responses to Comments	1,3 mons	Fri 1/9/09	Fri 2/13/09	1/92	13										1-1-1-
4 5	Receipt of Comments from District on Final EIR	1,3 mons	Fri 1/9/09	Fri 2/27/09		2/27									T	
8	Completion of Final EIR	1 day	Fri 3/20/09	Fri 3/20/09		<b>φ</b> _1/20					-					
56	Completion of Findings of Fact	10.0		Mon 3/23/09	4	o 3/23										1-1-1-
57	Completion of Findings of Fact Public Hearings/EIR Certification		Mon 3/23/09	Fri 5/1/09	4	23 5/1			4			(inne-100 <b></b> )200				
BB .	-			on 11/30/09		V	91/3							- oloupudo-		
59	Complete and submit permit applications						10/1		84							1-1-1-
70	Coordinate with regulatory agencies			Wed 8/4/10 Thu 8/26/10					8/5 2	9/26						
	Acquire permits and incorporate in final design plans	16 days			4						.b					
71"	Financing (to be confirmed with Assessment Engineer)			Ved 8/31/11		4/22				9/14						o on see an
72	Negotiate MOU with SLO County and Periner Purveyors	William III		Tue 9/14/10						المادة و						
73	Completion of Preliminary Assessment Engineer's Report			Tue 10/5/10						10/5 10/14		-,-   <u> </u>				
74	Mail Preliminary Notice to Property Owners			hu 10/14/10						1151		ļl				
75	Hearings for Property Owners who request alternate Assessment			Tue 1/18/11							1/19 2/22	ļ		ļļ ļl		سأسلمول
76	Final Assessment Report			Tue 2/22/11							2/23					
77	Adoption of Preliminary Bond Resolutions			Tue 3/29/11								3 4/5				
8	Ballots mailed		Wed 3/30/11	Tue 4/5/11					4		1 1 1	5/20				
6	45 Day Protest Period		Wed 4/6/11	Fri 5/20/11								5/24 5/27		ļļļ		
30 33			Tue 5/24/11	Fri 5/27/11				<u> </u>				5/30 25/30		<u> </u>		
1 TO	Resume Prolest Hearing and Adoption of Bond Resolutions - County			Mon 5/30/11							4	5/31 8/29				
92	30 day Pre-Payment Period			Ved 5/29/11						[i	.	630		ļļļ		
83	Sale of Bonds - County	10 500		Ved 8/31/11						lll				<u> </u>		
84	Public Relations (to be confirmed by PR team)		Thu 6/10/10	Thu 1/6/11										ļļļ		
85 🗸	Survey and Communications Kickeff		Research	Thu 6/10/10					V10 4 6/18					<u>                                     </u>		
86	Review Background Materials		Mon 6/14/10	Fri 6/18/10					6/18							
e7 🔀	Phase 1 Survey		Thu 6/17/10	Thu 8/5/10					6115 8.2	l	Transaction of the last				a Jacken w	
88	Plan Measure Package	104 days		ed 12/29/10					8.6 🔀		12/29					4
89	Outreach and Communications		Wed 6/30/10	Thu 1/6/11					6/30		1/6		an yellong and an area			
90	Phase 2 Tracking Survey	26 days	Fri 11/12/10	Fri 12/17/10						11/12	1217	.l., <u>l., l., l</u> .,				
ģŧ.	Standard Bid-Construct Process for Underground/Storage Work	-	Tue 5/31/11	Tue 8/9/11												
92	Solicit Bids	2.35 mons	Tue 5/31/11	Wed 8/3/11								5/31	ols .			
93	Bid Package 3	5 wks	Tue 5/31/11	Mon 7/4/11						ç		5/31				
64	Bid Package 2	5 wks	Tue 6/14/11	Mon 7/18/11								6/14)	All the second second			111
95	Bid Package 4	6 wks	Tue 6/28/11	Mon 8/8/11								le/28	1 _ Arabatan			
96 [3	Award Bids	1 day	Tue 8/9/11	Tue 8/9/11			٥						<b>⊕</b> 1 <sup>3</sup> 3			
97	Turnkey Design-Build Process for HDD Work	121 days	Tue 3/8/11	Tue 8/23/11			0"	Ĭ			399					
96	Pre-Qualify Contractors	11 wks	Tue 3/8/11	Mon 5/23/11							3/6	5/23				
99 🗔	Solicit Bids	8 wks	Tue 5/31/11	Mon 7/25/11								5/3*	3 11 1	1.00		
ത്ര	Award Bids	1 day	Tue 8/23/11	Tue 8/23/11			<b>o</b>						8/23			
101	Construction	311 days	Tue 5/17/11	Tue 7/24/12		7 - 1 - 1 - 1 - 1 - 1	American all males and an artist and an artist and artist ar					9			i i	9
i62 🖃	Retain Design Firm to Perform Engineering Services During Construction	5 wks	Tue 5/17/11	Mon 6/20/11								5/17 6/20				
103 🖼		12 mons	Wed 8/24/11	Tue 7/24/12									BJ24	3.00		7/24
104	Startup and Testing	40 days	Wed 7/25/12	Tue 9/18/12						V	<b>—</b> □					ф
ios 🖃				Tue 8/21/12		4)									772	8/21
106				Tue 9/18/12			<u> </u>			1			+	TTT		8/22 🚾 9/1
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	Task Milestone	Φ Ro	liod Up Task		Rolled Up Baseline	Sphi		Project Summery								
Project: Wi Date: Thu &	P Design Schedule 9/19/10 Progress Beselve Meastons	♦ Ro	Mod Up Mileslore	•	Rolled Up Baseline Méestone 💠	Besoline Sptit		Group By Summary	4	-						
	Baselino Summary	Ψ Bats	iseline Summary	Q	Rolled Up Progress	External Tasks		Deadline	20							

TO:

**BOARD OF DIRECTORS** 

FROM:

DON SPAGNOLO

GENERAL MANAGER

DATE:

AUGUST 18, 2010

AGENDA ITEM C-2

**AUGUST 25, 2010** 

# MONTHLY SUPERINTENDENT UPDATE

#### **ITEM**

NCSD Facilites Superintendent Tina Grietens re Update recent Operations Activities [NO ACTION REQUESTED].

# **BACKGROUND**

Tina Grietens is scheduled to summarize the attached outline.

### **RECOMMENDATION**

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

# **ATTACHMENTS**

Operations Report

# NIPOMO COMMUNITY

BOARD MEMBERS
JAMES HARRISON, PRESIDENT
LARRY VIERHEILIG, VICE PRESIDENT
ED EBY, DIRECTOR
MIKE WINN, DIRECTOR
BILL NELSON, DIRECTOR



# **SERVICES DISTRICT**

STAFF
DON SPAGNOLO, P.E., GENERAL MANAGER
LISA BOGNUDA, ASSISTANT GENERAL MANAGER
JON SEITZ, GENERAL COUNSEL
PETER SEVCIK, P.E., DISTRICT ENGINEER

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326 (805) 929-1133 FAX (805) 929-1932 Website address: NCSD.CA.GOV

TO:

DON SPAGNOLO, P.E., GENERAL MANAGER

FROM:

TINA GRIETENS, UTILITY SUPERINTENDENT

76

DATE:

**AUGUST 19, 2010** 

SUBJECT:

UTILITY DIVISION UPDATE FOR JULY 21, 2010 - AUGUST 18, 2010

## Southland Wastewater Plant and Utility Yard

- Utility equipment storage building permit issued
- Lab instrument and supplies received
- Sludge dredging contract and schedule pending
- Ripping/discing of percolation ponds completed
- Southland Effluent BOD in compliance; above limits for suspended solids

#### **Collection system**

- Vac-Con: New nozzle purchased and utilized to clean sewer lines
- Training with City of SLO crew
- Jetting sewer lines, cleaning grease and rags from lift stations and treatment plants
- Replaced level transmitter in Juniper Lift Station

#### **Distribution System**

- Level transducer installed in Sundale well
- Quad tank rehabilitation: Tank #2 online, Tank #1 drained, repairs in progress

#### **Maintenance**

- Maintenance performed on Sundale well generator
- Schematic diagrams of well and lift station electrical panels complete
- Generator maintenance added to Preventive Maintenance Program
- Meter replacement, fire hydrant painting continuing

# **Compliance**

- Water distribution analyses in compliance for nitrates, trihalomethanes, halocetic acids, arsenic
- APCD inspection of standby generators, NCSD staff complimented on documentation procedures
- Report preparation for WWTPs, water distribution system

#### **Training**

- All: CPR/First aid 7/22/10; Traffic Control 8/17/10; Defensive Driving 8/18/10
- Scott: Wastewater Analyses class 8/10/10
- Tina: Water Regulations and Water Conservation online classes 8/10 & 8/11/10

#### Other

- Reviewed Southland Wastewater Facility Improvement Design, SCADA plans and specifications
- Working with District Engineer on District Projects